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**YOKOYAMA KENICHI;**Assignee: **HITACHI MAXELL LTD**  
[News, Profiles, Stocks and More about this company](#)Published / Filed: **1981-12-14 / 1980-05-20**Application Number: **JP1980000066720**IPC Code: **H01M 4/08;**Priority Number: 1980-05-14 **JP1980000066720**Abstract: 

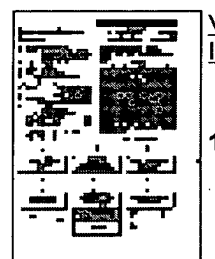
PURPOSE: When a battery is produced using lithium as cathode active material, to increase the operational voltage under low temperature and heavy and load discharging by removing oils on a lithium thin sheet through washing with an organic solvent and drying under vacuum.

CONSTITUTION: A lithium plate stored in kerosene is taken out from the kerosene, rolled to a thin sheet using liquid paraffin as a lubricant, punched circularly, and soaked in n-hexane for 2 to 5 seconds. It is placed in a vacuum dryer and evacuated to evaporate the n-hexane on the lithium surface, and thus oils on the lithium surface is removed. Then it is combined in a battery to form the battery. The reduction of the operational voltage at low temperature and heavy load discharging due to the oils on the lithium surface is prevented, and the battery performance can be improved greatly.

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PDF	Patent	Pub.Date	Inventor	Assignee	Title
	<a href="#">US6586912</a>	2003-07-01	Tsukamoto; Hisashi	Quallion LLC	<a href="#">Method and apparatus for amplitude limiting battery temperature spikes</a>



Other Abstract  
Info:

CHEM 096(14)112275G



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**PATENT ABSTRACTS OF JAPAN**(21) Application number: **55066720**(51) Intl. Cl.: **H01M 4/08**(22) Application date: **20.05.80**

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(43) Date of application  
publication: **14.12.81**(84) Designated contracting  
states:(71) Applicant: **HITACHI MAXELL LTD**(72) Inventor: **TAKEMORI MASAMI**  
**YOKOYAMA KENICHI**

(74) Representative:

**(54) PREPARATION OF  
ORGANIC ELECTROLYTE  
BATTERY**

(57) Abstract:

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